BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE, BANGALORE-92

Name of Work :-Detailed Estimate for The work of Construction of CC Drain in Balaji layout in ward no. 8, Kodigehalli sub division

Estimated Cost :- 16.00 Lakhs

Sl no.	Description of item	Unit	No.	L	B/W	D/T/H	Qty.	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (Page no 149, Item no. 19.1 of BCSR 2011-12)	Cum							
			2	135.00	0.90	0.50	121.50		
	Culvert		2	6.50	1.35	1.50	26.33		
							147.83	87.05	12868.17
	Basic Rate	80.60							
	Area Weightage @ 8%	6.45							
	Total	**87.05**							
2	Removing B.S. slab of Drain and stacking. (Page no 28, Item no. 5.32 of BCSR 2011-12)	Sqm							
			2	135.00		1.35	364.50		
	Basic Rate	44.00					364.50	47.52	17321.04
	Area Weightage @ 8%	3.52							
	Total	**47.52**							
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180kgs, with 40mm and down sze graded granite metal coarse aggregates @ 0.85 cum and fine aggregtes @ 0.57 cum machine mixed machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials labour HOM of machinery curing complete as per specifications	Cum							
	For Culvert		2	6.50	1.35	0.20	3.51		
	CC Drain		2	135.00	0.90	0.15	36.45		
	Basic Rate	3647.60					39.96	3939.41	157418.74
	Area Weightage @ 8%	291.81							
	Total	**3939.41**							
4	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal, coarse aggregates @ 0.878cum and fine aggregtes @ 0.459cum with superplastisiser @ 3 lts confirming to IS 9103-1999 Reaffirmed-2008 machine mixed concrete laid in layers not exceeding 15cms thick vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. (P-13, Item 4.11) 2011-12 SR								
	For Culvert		2x2	6.50	0.75	0.30	5.85		
			2	6.50	1.35	0.23	4.04		
			2	6.50	1.20	0.30	4.68		
	Drain Sidewall		4	135.00	0.80	0.15	64.80		
	raft		2	135.00	0.75	0.10	20.25		634921.42
	Covering slab		2	135.00	0.75	0.10	20.25		
							119.87	5296.75	634903.12
	Basic Rate	4904.40							
	Area Weightage @ 8%	392.35							

	Total	5047.92	5255.28						529675
5	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per pecificaitons.(P-17 Item No. 4.31 2011-12 SR)	Sqm							
	For Culvert		2x4	6.50	0.90		46.80		
			2	6.50	0.90		11.70		
	Drain Sidewall		8	150.00	0.80		960.00	864.00	
	Covering slab		2	150.00	0.75		225.00	202.50	249075.00
				135.00			1243.50	221.40	275310.90
	Basic Rate	205.00					1125.00		
	Area Weightage @ 8%	16.40							
	Total	221.40							
6	KSRB 4.9.2 : Providing T.M.T. Steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking , placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. (Page No. 19& Item No. 4.46)	Qtl							
	50 kg/cum						70.00	6382.80	446796.00
		6803.54							
	Basic Rate	6910.00							
	Area Weightage @ 8%	472.80	544.28						
	Total	6382.80							
		7347.82							
7	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum.KSRRB M100-1 : Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications.MORTH Chapter 1 (Page no 197, Item no. 24.41 of BCSR 2011-12)	Cum							
							147.83		9930.88
							Qty vide Item no 6	67.18	10837.81
	Basic Rate	62.20							
	Area Weightage @ 8%	4.98							4117.11
	Total	67.18						8378	4117.82
8	Miscellaneous & Unforeseen Charges								2415.82
	Total								1600000.00

ADMINISTRATIVELY SANCTIONED FOR Rs. 16,00,000=00

Rupees Sixteen lakhs only.

under PIT71 POW 11-12

Registered as EE(Y) No. 12-13

Subject to conditions contained in 14347.62

Qty. Vide Item No. 4

Dt. 14/5/12 Estimate A/Sanctioned

No. JCN.cl/AA/12-13 No. 227

dated 14.5.12 Rs. 16,00,000=00

B.Ruth 14/5/12
Joint Commissioner
(Byatarayanapura)

Technical Sanction for Rs. 1600000=00
Sixteen lakhs only

under P-1771 P O W- 11-12

(Rupees Sixteen LakhsOnly)

registered as EE No: 119/15-5-12 Subject to conditions contained enclosed memo.

No: 119/12-13 Dr. 15-5-12

CERTIFICATE

1 Certified that I have personally inspected the area and prepared the estimate.
2 Certified that the work proposed in this estimate is not including in any other scheme.
3 Certified that the estimate is prepared as per 2011-12 SR of PWD.
4 This works is not split up.

AE/JE

EE (BTP. Div.)

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division